

## Clearwater 2001

### What Do You Want To Know About Your Blended Water?

Water from the Clearwater Renewable Resource Facility will be added to our drinking water system beginning next spring. Because we're bringing a new water supply to you, Tucson Water also wants to expand our Water Quality Information program to give you even more timely information about your water.

Tucson Water regularly tests your water for many different substances. For nearly three years, we've been providing you with weekly or monthly updates on the levels of the substances you told us you wanted to know about. Now, we'd like you to let us know if your water quality interests have changed. We've listed the substances we get the most questions about on the form below. Please choose the six (6) you are most interested in. You'll be hearing more about the many ways we'll report this information in the coming months.

Please complete the survey below and return it to us. Mail it to Dave Modeer, Director, Tucson Water, P.O. Box 27210, Tucson, AZ 85726-7210, or fax it to Dave at 520-791-3293. You can also complete this survey on our web-site at [www.ci.tucson.az.us/water](http://www.ci.tucson.az.us/water).

I would like regular updates about the following substances in my water:

- |   |                                   |
|---|-----------------------------------|
| <input type="checkbox"/> Bacteria                                 | <input type="checkbox"/> pH       |
| <input type="checkbox"/> Sodium                                   | <input type="checkbox"/> Chlorine |
| <input type="checkbox"/> Hardness                                 | <input type="checkbox"/> Fluoride |
| <input type="checkbox"/> Trihalomethanes (THMs)                   | <input type="checkbox"/> Nitrate  |
| <input type="checkbox"/> Total Dissolved Solids (mineral content) |                                   |
| <input type="checkbox"/> Other _____                              |                                   |

Name \_\_\_\_\_

Address/Zip \_\_\_\_\_

I receive my water service from Tucson Water.

☐ Yes ☐ No

Optional

- ☐ I am interested in receiving more information about our new blended water and the construction of the Clearwater Facility.

**1900 - 2000**  
**100 Years of Serving Tucson**

## Your Water Connection

### News & Tips FOR Tucson Water Customers

**Clearwater 2001, Building  
Tucson's Water Future**

## Clearwater Construction on Track

**The 11 1/2 mile pipeline that will bring blended water to Tucson from Avra Valley is nearly complete. Work is progressing on the mechanical portions of the project. Wells are being equipped to begin pumping, and electronics and operational facilities are under construction. Tucson Water is on track to have Clearwater operating before the summer peak water demands begin.**

December 2000 <http://www.ci.tucson.az.us/water/>

# Update on New Water Rates

Each year, Tucson Water staff works with the 15-member Citizens Water Advisory Committee (CWAC) to determine how much revenue the utility must collect from customers in order to provide daily water service, maintain our water system, and make necessary improvements to meet current and future water needs. This information is then used to develop a rate schedule that fairly distributes any needed revenue increase among our customer classes. The current rate schedule has been in effect since December 1998 when the Mayor and Council last approved a revenue increase for Tucson Water.

On Monday, October 23, following a public hearing, Tucson's Mayor and Council voted to adopt a new water rate schedule. Beginning November 27, potable water rates increased for all customer classes (residential, multifamily, commercial, industrial and construction water). Some customers may see a higher bill, while residential customers who use average amounts of water may see lower bills. The first water bill you receive after these new rates are effective will reflect water usage under the prior rates as well as under these new rates. The billing calculation will be apportioned

accordingly. Thereafter, bills will be calculated based solely on the new rates.

Your water usage is measured in Ccf (hundred cubic feet); 1 Ccf is equal to 748 gallons. Since 1993, the first three Ccf have been provided to all customers without a separate charge. The new schedule now has a separate charge for the third Ccf of usage. For a more complete look at water rates, please visit Tucson Water's website at [www.ci.tucson.az.us/water/](http://www.ci.tucson.az.us/water/) or call Tucson Water's Customer Service Office at (520) 791-3242. If you are located outside of the Tucson area, call Tucson Water's toll-free number at 1-800-598-9449.



## Meet Your Water Department Barbara Looks To The Future

Every business needs people who can see into the future. At Tucson Water, one of these prognosticators is Barbara Buus - the Manager of Rates and Revenues. Barbara is responsible for forecasting short and long term revenues for the utility and monitoring these projections to see how accurate the forecasts are. She then uses that



Barbara Buus

information to assist the Citizens Water Advisory Committee in developing water rate options. Barbara holds a master's degree in public administration from the University of Arizona and has been looking at rates and revenues for Tucson Water since 1992.

"When rates must change, we work hard to talk with customers about why the change was necessary and what it means to them," Barbara says. "It's important to balance financial information with the effect rate changes will have on our customers."

**Visit the Tucson Water Web Site at**  
**<http://www.ci.tucson.az.us/water/>**

*The Water Connection* is produced by Tucson Water. To receive a copy, or to receive this information in Spanish, call 791-4331 or mail your request to: Customer Information, P.O. Box 27210, Tucson, AZ 85726-7210  
City of Tucson TTY number: 791-2639



Si usted desea este documento escrito en español, por favor, llame al 791-4331.



# On the Water Front



2000 was an eventful year for Tucson Water and its water customers.

## **Water Bonds Approved**

In May, voters approved:

- \$123.6 million in Water Revenue Bonds.
- \$32 million to deliver more

treated wastewater to parks, golf courses, street medians, and other irrigation customers in place of drinking water.

- \$22.7 million to recharge more Colorado River water, continue construction of the Clearwater Facility, build 24 more wells in Avra Valley (west of Tucson), and bring this new water into the City.

- \$68.6 million to improve water infrastructure such as new water reservoirs and water mains, improve pumping stations and generally modernize our water system.

These projects are underway and will help improve our community's water system and our quality of life.

## **Construction of Clearwater**

The construction of the Clearwater Renewable Resource Facility first phase began in early 2000 and will be complete early next year. This \$75 million project will initially bring us 18 million gallons of water each day and will allow us to stop overpumping the water table in many areas of central Tucson.

## **Proposed Radon and Arsenic Regulations**

The U.S. Environmental Protection Agency proposed new water quality standards for radon and arsenic in water that may have serious consequences for Tucson. Tucson Water sent comments to the E.P.A. asking that final regulations be based on sound science and proven medical knowledge. Tucson Water began studying our options for water treatment during the past year. The ruling will be finalized in 2001.

## **Mine Agrees to Use CAP Water**

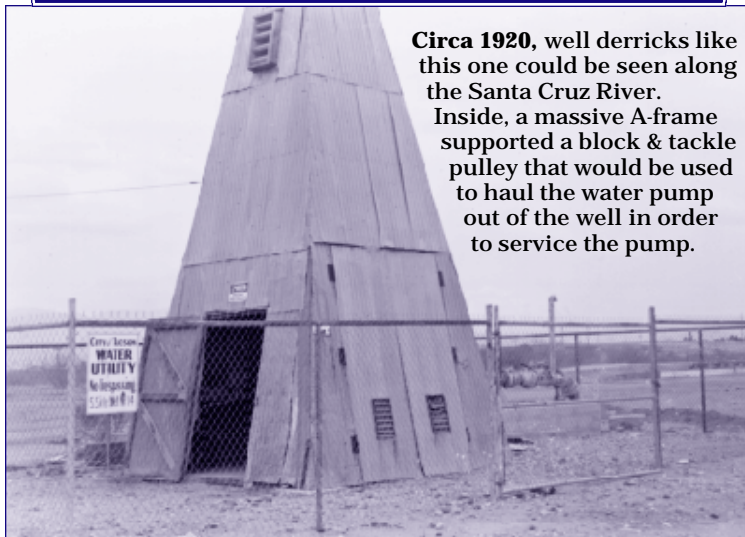
After many years of discussion, Tucson Water has reached an agreement with Asarco to use CAP water in their copper mining operation south of Tucson. It's a big step forward in reducing groundwater pumping and utilizing our CAP water allocation.

Also in 2000 we worked as a team to **Beat the Peak** again and make it through another hot summer. Tucson Water started a **re-engineering process** to determine how to serve you faster and more efficiently. Our blended water demonstration, the **Ambassador Neighborhoods Program**, has wrapped up and was a great success.

The year 2001 will bring more milestones and more challenges, but I think we've all seen that working together, we can develop solutions to problems and achieve great success. Thank you, Tucson Water customers, for your confidence and support during the past eventful year.

David V. Modeer  
Director, Tucson Water

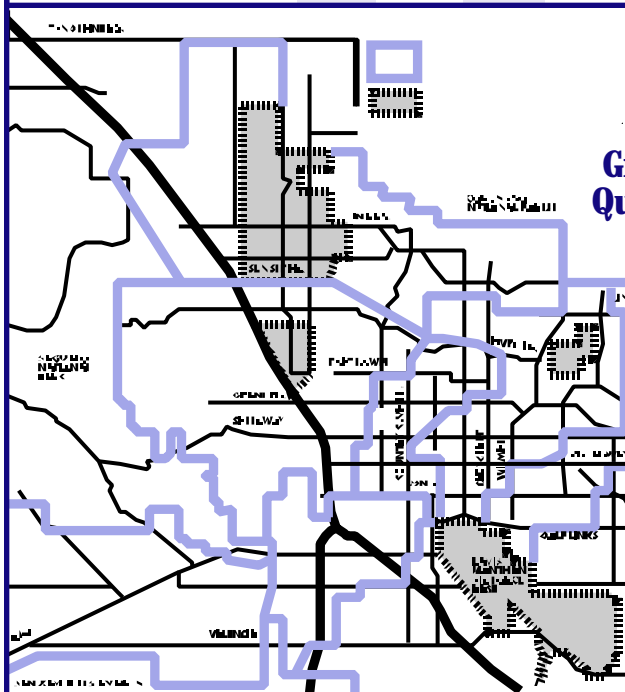
## Tucson Water History



**Circa 1920**, well derricks like this one could be seen along the Santa Cruz River. Inside, a massive A-frame supported a block & tackle pulley that would be used to haul the water pump out of the well in order to service the pump.

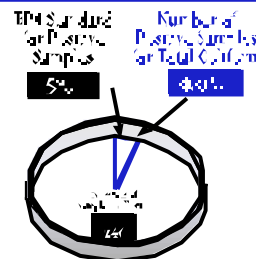
# GROUNDWATER QUALITY REPORT - September 2000

Water Quality Zone		1	2	3	4	5	6	7	8	9	10	System Wide
Sodium (ppm)	Average	58	40	45	32	34	30	29	43	54	42	39
	Range	37-83	37-42	27-94	28-50	26-46	25-38	23-40	39-48	31-178	41-44	23-178
Mineral Content (ppm)	Average	436	268	290	211	228	223	218	312	285	229	257
	Range	220-528	241-288	164-511	187-306	181-310	189-256	173-287	224-447	202-673	219-294	164-673
Hardness (ppm)	Average	208	118	124	91	100	105	103	148	97	81	111
	Range	83-284	102-130	54-279	68-121	73-148	75-129	69-133	78-274	76-140	76-115	54-284
pH (units)	Average	7.5	7.8	7.7	7.8	7.6	7.7	7.7	7.6	7.8	7.8	7.7
	Range	7.2-7.9	7.7-7.9	7.3-8.0	7.6-8.0	7.1-8.0	6.9-8.0	7.0-8.0	7.1-7.9	7.5-7.9	7.5-8.0	6.9-8.0
Temperature (deg F)	Average	86	87	86	85	86	85	85	87	89	89	86
	Range	81-91	84-94	81-94	81-91	79-94	73-91	81-93	81-93	84-95	86-91	73-95



## COLIFORM BACTERIA Testing Results - Sept 2000

### Groundwater Quality Report



### Chlorine Level Average

0.3 to 1.2 ppm

Monthly Average  
0.8 ppm



One part per million (ppm) is the same as one second of time in 11.6 days.

To give you a more accurate measurement of the water quality in your neighborhood, the Tucson Water service area has been divided

into 10 zones based on differences in water pressure and water quality. For a detailed description of the zone boundaries, call 791-4331.